

STANDARDS OF APPRENTICESHIP adopted by

SOUTHWEST WASHINGTON ELECTRICAL JOINT APPRENTICESHIP AND TRAINING COMMITTEE

(sponsor)					
Skilled Occupational Objective(s):	<u>DOT</u>	<u>Term</u>			
APPLIANCE & REFRIGERATION SERVICEMAN	827.261-010	8000 HOURS			
CONSTRUCTION ELECTRICIAN	824.261-010	8000 HOURS			
MARINE ELECTRICIAN	825.381-030	6000 HOURS			
MOTOR SHOP ELECTRICIAN	721.484-010	8000 HOURS			
NEON & ELECTRICAL SIGN ELECTRICIAN	824.281-018	8000 HOURS			
QUALITY CONTROL APPRENTICES	012.261-014	8000 HOURS			
RADIO TELEVISION ELECTRICIAN	720.281-018	8000 HOURS			



APPROVED BY

Washington State Apprenticeship and Training Council REGISTERED WITH

Apprenticeship Section of Specialty Compliance Services Division

Washington State Department Labor and Industries Post Office Box 44530 Olympia, Washington 98504-4530

APPROVAL: JULY 21, 1950 Initial Approval By: LAFRANK NEWELL Chairman of Council JANUARY 19, 2001 Addendum Amended By: PATRICK WOODS Secretary of Council

NOTE: THE FOLLOWING ADDENDUM SHALL BE SPECIFIED TO THE GROUP JOINT APPRENTICESHIP AND TRAINING COMMITTEE AND ITS CRAFTS.

The following Standards for the development of electrical apprentices have been prepared by the representatives of the National Electrical Contractors Association, and representatives of Local Union #76, I.B.E.W., assisted by the Apprenticeship and Training Division, State Department of Labor and Industries. When approved and registered with the Registration Agency, these Standards will govern the training of apprentices in this industry.

ADDENDUM:

The science of electricity is constantly changing and expanding. With this increasing knowledge, the electrical industry has expanded from nothing to the third largest industry in the United States in less than one century. This rapid expansion means that the electrical apprentice must be given a sound basic training in the knowledge of the trade, supplemented by sufficient instruction in the theories of electrical science.

The electrical trade is unique in that it is mechanical, technical, and professional. It must select people who have a natural aptitude for using tool's and at the same time, are gifted enough to master the intricacies of electrical science, who can and will keep up with the progress of the and master a knowledge of the thousands of installation and maintenance procedures.

The electrical industry, by its very nature, places a high degree of personal responsibility on the individual journeyman. While supervision is provided on many jobs, the electrician still finds himself/herself called upon constantly to make decisions regarding the best and safest method of installation to produce a given result.

Electrical installations today have become very complex and a faulty installation can prove extremely expensive and hazardous. Much of the important work is hidden from view when the job is completed, and a defect in this hidden work can cause property damage and endanger human life. The modern journeyman takes pride in the appearance of his/her work, as well as in the technical correctness and structural soundness.

The Apprenticeship Committee representing labor and management has dedicated its time to develop an efficient program of apprenticeship so that the apprentice of today, through a systematic program of schooling and on-the job training, can become the qualified all-around journeyman of tomorrow. The degree of success that the Apprenticeship Committee has in its operation will depend entirely upon the willingness of the various segments of the electrical industry in the area to cooperate in this type of joint activity.

All functions of the Committee shall be on the basis of non-profit endeavor for the good and welfare of apprenticeship and training for the industry and for the best interest of the apprentice, management, labor and the public.

1 GEOGRAPHICAL AREA COVERED:

The area which these Standards cover shall be as follows: Pacific, Lewis, Grays Harbor, Mason, Pierce, and Thurston Counties.

MINIMUM QUALIFICATIONS: 2.

- Individuals may enter the pool of qualified applicants by any of the following A. means (1-7) stated below. Every individual selected for apprenticeship shall come from this established pool.
 - 1) Individuals who can show that they meet the conditions listed below, after making application for apprenticeship, will be afforded an oral interview by the JATC. Once interviewed, an applicant shall remain active in the Apprentice Application Record Book, subject to selection, for a period of two calendar years from the date of interview. To be interviewed, applicants must meet the following basic requirements.

Must be at least 18 years of age. Age:

High school graduate (with proof of graduation) or GED Education:

with a qualifying score of at least 250 or in lieu of diploma or GED, have a two year Associate Degree or higher. One year of high school algebra with a C or better or one post

high school algebra course with a passing grade.

Applicants must be physically capable of performing the Physical:

job requirements.

Testing: Applicants must take the NJATC aptitude test administered

by a NJATC approved Test Administrator and receive a

minimum score of 5.

Other: Applicants must reside within the jurisdiction covered by

these standards

Applicants must complete an application form. (There is an application fee payable at the time of application.)

Posses and maintain a valid Driver's License.

Applicants shall submit the following information to the Committee before their applications will be considered complete. This must be done with 60 days of the date of application.

- Official transcript of high school courses and grades a. and official copy of GED (if applicable).
- Proof of one year of algebra with a C or better. b.
- DD-214 to verify military training and/or c. experience if they are a veteran and wish to receive consideration for such training/experience.

d. Must obtain a qualifying score on the electrical trades aptitude test, developed and validated by the American Institute for research.

No person will be granted an interview who has not met the above requirements

In lieu of items (a) and (b) in paragraph 1) above, individuals who can verify (by providing indisputable documenting evidence) that they have worked a minimum of four thousand (4000) hours specifically in the electrical construction trade, will qualify for an oral interview by the JATC to be considered along with other qualified applicants.

The individual must provide to the JATC proper documentation that defines their experience in the electrical construction industry. This documentation must be comprised of official documents from appropriate state or federal agencies. The JATC will examine all documentation submitted before qualification is acknowledged. The JATC will schedule an experience evaluation interview with the applicant if it is deemed appropriate. An absolute minimum of four thousand (4000) hours of ELECTRICAL CONSTRUCTION WORK EXPERIENCE must be proven to meet this qualification. (Note: meeting this qualification allows the applicant to be interviewed during the normal selection process - this is NOT a form of direct entry.)

- In lieu of items (a) and (b) in paragraph 1) above, individual who have worked a minimum of forty-five hundred (4500) hours as a Residential Wireman under an IBEW/NECA local Collective Bargaining Agreement, will qualify for an oral interview by the JATC to be considered along with other qualified applicants.
 - a. All available Residential Apprenticeship records will be provided to the JATC. (Note: meeting this qualification allows the applicant to be interviewed during the normal selection process this is NOT a form of direct entry.)
 - b. Such individuals entering the program with an IBEW Residential Wireman classification will be awarded a minimum of thirty-five hundred (3500) hours credit toward their hours of OJT required under these standards. The individual will also be credited with two years of related training provided they have completed either the two or three year IBEW/NECA residential training program; otherwise, if selected, they will be properly evaluated and placed in the appropriate year of related training.

- In lieu of items (a) and (b) in paragraph 1) above, individuals previously indentured in a properly registered electrical construction apprenticeship program not sponsored by IBEW/NECA, will qualify for an oral interview by the JATC to be considered along with other qualified applicants provided:
 - a. They have completed at least three (3) years on the non-joint apprenticeship program's related classroom instruction and acquired a minimum of forty-five hundred (4500) hours of on-the-job training experience in the commercial and/or industrial area.
 - b. They have provided the JATC with official documentation pertaining to their participation in the non IBEW/NECA electrical construction program. An official copy of all records established and information submitted shall be provided to the JATC, including a copy of the apprenticeship agreement properly registered by the appropriate Registration Agency. The JATC will examine all documentation submitted to ensure that the individual meets the necessary qualifications.

If all provisions stated in paragraphs (a) and (b) are not met, the individual must meet all qualifications stipulated in paragraph 1) above. (Note: meeting this qualification allows the applicant to be interviewed during the normal selection process - this is NOT a form of direct entry.)

B. All applicants (including direct entry) must provide the documentation specified to complete their application. Regardless of how one qualifies for apprenticeship, following selection, but prior to indenture, ALL individuals being offered an apprenticeship must complete:

A drug screen test. Cost of the test is to be borne by the JATC.

The JATC's Drug Policy is part of its official Rules and Policies. Applicants shall be notified that such a Policy exists and given an opportunity to review it.

3. <u>CONDUCT OF PROGRAM UNDER WASHINGTON EQUAL EMPLOYMENT OPPORTUNITY PLAN</u>:

A. Selection Procedures:

- 1. The Committee will accept applications on a year-round basis, on dates and times specified by the Committee.
- 2. Application information will be disseminated according to the Committee's affirmative action plan at least semi-annually. Information will:
 - a. Include the dates, times, and location applications will be accepted.

- b. List the minimum qualifications for the program, supporting documentation required and applicable time lines.
- c. Provide a general description and duties of the occupation.

3. Exceptions:

- a. An employee of a non-signatory employer not qualifying as a Journeyman when a employer becomes signatory, shall be evaluated by the JATC, using constant, standard, nondiscriminatory means and indentured at the appropriate period of apprenticeship based on previous work experience and related training. (Note: this is a method of direct entry into the apprenticeship program, whereby all minimum qualifications are waived.) For such applicants to be considered, they must:
 - 1. complete an application form.
 - 2. provide an official transcript for high school and post high education and training.
 - 3. take the same aptitude test required of all applicants for counseling purposes.
 - 4. the JATC will require reliable documentation and seek adequate verification to substantiate previous employment and experience.
 - 5. Be deserving of advanced standing, based upon evaluation by the JATC.
 - 6. provide official documentation to show that they were an employee performing electrical work prior to the employer becoming signatory.
- b. An individual who signs an authorization card during an organizing effort wherein fifty percent or more of the employees have signed authorization cards, whether or not the employer becomes signatory and is an employee of the nonsignatory employer and does not qualify as a Journeyman, shall be evaluated by the JATC, using consistent, standard, nondiscriminatory means, and indentured at the appropriated period of apprenticeship based on previous work experience and related training. (Note: this is a method of direct entry into the apprenticeship program. When indentured, individuals entering through this method must be employed by participating employers.) For such applicants to be considered, they must:

- 1. be employed in the JATC's jurisdiction when the authorization card was signed.
- 2. all employees of the employer must have been offered the opportunity to sign authorization cards and be evaluated.
- 3. complete an application form.
- 4. provide an official transcript for high school and post high school education and training.
- 5. take the same aptitude test required of all other applicants for counseling purposes.
- 6. Posses and maintain a valid Driver's License (if required in paragraph 1 above).
- 7. provide official documentation to show that they were an employee performing electrical work prior to signing the authorization card.
- 8. be deserving of advanced standing based upon evaluation by the JATC.
- 9. the JATC will require reliable documentation and seek adequate verification to substantiate previous employment and experience.
- c. Transfer of Apprenticeship Direct Entry. In order to transfer an apprenticeship agreement between two local IBEW/NECA JATC's having a registered inside apprenticeship program, the following requirements must be met.
 - 1. The apprentice must submit a written request for transfer, describing in detail the needs and reasons upon which the request is based.
 - 2. The apprentice's sponsoring JATC must agree to the transfer
 - 3. The receiving JATC must agree to accept the transfer.
 - 4. The parent organizations of both JATC's (the two NECA Chapters and the two IBEW Local Unions) must agree to the transfer

- 5. The receiving JATC shall have complete access to all apprenticeship records pertaining to the transferring apprentice.
- 6. The transferring apprentice must:
 - a. complete an application form
 - b. provide to the JATC documentation pertaining to their participation in the apprenticeship program that they are transferring from. An official copy of all records established with the sponsoring JATC (including a copy of the application form and the apprenticeship agreement properly registered with the Registration Agency) and other information submitted shall be provided to the receiving JATC. The receiving JATC will examine all documentation submitted before granting permission to transfer. All such records shall become part of the receiving JATC's permanent files and shall be maintained in the same manner as other records are.
 - c. take the same aptitude test required of all other applicants (if they have not already done so).
 - d. upon being accepted by the receiving JATC, the apprentice's existing apprenticeship agreement shall be terminated.
 - e. indenture proceedings shall be initiated with the receiving JATC and the appropriated Registration Agency. The Registration Agency will be provided with all documentation necessary and/or required to verify that the transfer is justifiable.

Those accepted for transfer will be given full credit for on-the-job training experience and related instruction successfully completed while indentured in an IBEW/NECA inside apprenticeship program.

B. <u>Application Process:</u>

- Applications will be provided to all interested individuals at: Southwest Washington Electrical JATC 3001 South 36th Street Tacoma, WA 98409
- 2. Individuals must apply in person: applications must be completed and returned on site

- 3. Prior to receiving an application, each applicant's name will be entered in the "Applicant Log" which will identify all applicants by a log number corresponding to the application number.
- 4. Applicants will indicate at the time of application whether they are applying for the Inside, Residential, and/or Limited Energy Program(s).
- 5. All supporting documentation must be submitted by the specified deadline.

C. Verification of minimum qualifications:

All applications and supporting documentation will be reviewed for minimum qualifications.

D. <u>Non-qualified applicants</u>:

Applicants who do not meet the minimum qualifications will be notified in writing: notification will include the reason for rejection, the requirements for admission to the eligibility pool, *and the appeal rights available to the applicant*.

E. Pool of eligible applicants:

- 1. Qualifying applications will be scored and ranked using an interview system; all applicants will be asked the same questions.
- 2. These individuals will then be placed in a pool of eligible applicants and retained on an active list for a period of 2 years.
- 3. Individuals may be removed from the pool at an earlier date by their request or by failing to respond to the Committee when notified.
- 4. It shall be the responsibility of the applicant to notify the Committee of any change of address.

F. Placement:

- 1. Whenever possible, all current apprentices will be employed before new applicants are hired.
- 2. Applicants will be offered employment based on the order of their rank in the pool of eligibles.
- 3. If an individual fails to respond to an apprentice job assignment provided through the placement process, the individual will be removed from the pool.

G. Apprentice applicant appeals procedure:

1. An Appeals Committee is hereby established, composed of one member appointed by labor, one member appointed by management, and a public member appointed by both these members.

- 2. Where an Appeals Committee exists under an established referral procedure and it is of this type, it shall be used for this purpose.
- 3. Management and labor shall mutually agree to and select the public member of this Committee.
- 4. The authority of the Appeals Committee shall be limited to the rendering of decision on cases involving unjust treatment of applicants for the apprentice program in the matter of selection.
- 5. Any appeal must be filed in writing within fifteen (15) working days of the date of notification of applicant as to the decision of the Apprenticeship Committee regarding his/her application.
- 6. A copy of the appeal shall be filed with the Apprenticeship Committee.
- 7. The Apprenticeship Committee must file a written answer to the appeal with thirty (30) days of receipt of the copy of the appeal.
- 8. The Appeals Committee shall consider the written evidence and shall on request, grant a hearing.
- 9. A final decision shall be rendered within thirty (30) days of the filing of the Committee answer to the appeal or from the date of a hearing.
- 10. Decisions of the Appeals Committee shall be final and binding upon the Apprenticeship Committee and the applicant.

H. Affirmative Action Plan:

- 1. The Apprenticeship Committee has pledged that the recruitment, selection, employment, and training of apprentices during their apprenticeship shall be without discrimination because of race, color, religion, national origin, age, or sex. In order to promote equality of opportunity, the Apprenticeship Committee hereby pledges to take affirmative action to encourage minorities and women to complete the apprenticeship application and enter into the eligibility pool.
- 2. The following activities shall constitute the affirmative action plan of the Apprenticeship Committee. While the Apprenticeship Committee need not necessarily pursue all these activities (given the differing sizes and resources of programs), it is expected to make a good faith effort to participate in those activities, which are likely to accomplish the goals of affirmative action.
 - a. Notification of apprenticeship opportunities shall be made at least 30 days prior to the earliest date of application. If a program accepts applications throughout the year notification shall be made at least semi-annually. Such notification shall contain information including (1) the nature of the apprenticeship (e.g. apprentice lineman, apprentice inside wireman), (2) the requirements for admission to apprenticeship, (3) the source and times for apprenticeship applications, and (4) the equal opportunity pledge of the sponsor.

Notification shall be made to:

- 1. The BAT or SAC representative serving the program.
- 2. In a SAC state, the state supervisor of the BAT.
- 3. The local superintendent of schools.
- 4. State employment offices in the training area.
- b. Newspaper, radio or television advertisements may be made if needed and feasible, given the limitations of Apprenticeship Committee finances and personnel.
- c. Participate in Annual Workshops conducted by employment service agencies and/or local school boards and/or community colleges and/or vocational schools.
- d. The selection of apprentices shall be by means of a selection procedure consistent with the provisions of Title 29 CFR Part 30, Section 30.5 (b)(4).
- e. The Apprenticeship Committee shall make an annual study of the participation of minorities and women in its apprenticeship program in order to compare its utilization of these groups with the rates of their participation in the labor force as a whole. The ratios identified below shall be used for this study. The numbers to be inserted in the ratios represent actual numbers of workers in the wage area in which the apprenticeship operates, as defined in the local collective bargaining agreement (figures from the Apartment of Labor) and numbers of apprentices in the apprenticeship program (figures from Apprenticeship Committee records); the resulting quotients are participation of women and minorities in apprenticeship which is less than their respective participation rate in the labor force as a whole signified a utilization deficiency to be corrected through affirmative action.

Utilization of Minorities: Utilization of Women:

Minority labor force = % Female labor force = % total labor force

<u>Minority apprentices</u> = % <u>Female apprentices</u> = % total apprentices

4. TERM OF APPRENTICESHIP

A. The JATC shall see that each apprentice completes a minimum of 8000 hours (6000 hour marine electrician) of reasonable continuous supervised employment (OJT). The JATC shall attempt to provide for participation in all of the work process as outlined in Section 8 of these standards.

The apprentice shall participate in a minimum of 180 hours of related classroom training per year, outside the normal work hours. The JATC shall require each apprentice to satisfactorily complete the NJATC Five-Year Inside Wireman Apprenticeship Course Material.

B. This JATC has established six periods of apprenticeship as stipulated below.

Period	% of	Min. Accum. OJT	+	Related Training
	Journeyman Rate	Hours		Completed
1	40	0-1000	+	Satisfactory Progress
2	45	1000-2000	+	Satisfactory Progress
3	55	2000-3500	+	Satisfactory Progress
4	65	3500-5000	+	Satisfactory Progress
5	75	5000-6500	+	Satisfactory Progress
6	85	6500-8000	+	Satisfactory Progress
	90	8000	+	Satisfactory Progress
				and State License

To be advanced, the apprentice must have satisfactorily completed both requirements: OJT hours and Related Training as indicated above.

C. Apprenticeship Agreement:

- 1. Before being employed as an apprentice or enrolled in related instruction classes, the selected applicant will sign an Apprenticeship Agreement with the JATC. The Apprenticeship Agreement will immediately be submitted to the Registration Agency for approval. These Standards of Apprenticeship, including the Affirmative Action Plan and Selection Procedures, shall be considered a part of the Apprenticeship Agreement.
- 2. Prior to signing the apprenticeship agreement, each selected applicant shall be given an opportunity to read and review these Standards, the JATC's written Rules and Policies, the apprenticeship agreement and sections of the CBA that pertains to apprenticeship. Selected applicants shall sign an acknowledgment that they have reviewed the documents and are willing to abide by them.

5. <u>PROBATIONARY PERIOD</u>:

The first 1600 hours of OJT and satisfactory performance in related classroom training up to the completion of the first school year shall constitute the probationary period. During this period, the apprenticeship agreement may be canceled by either party without the formality of a hearing. The Registration agency shall be notified of such cancellations. Furthermore, the Registration Agency shall be notified of any extension of the

probationary period (documenting action take to address the issue(s) involved)) in lieu of terminating the apprenticeship agreement.

During the probationary period, the JATC shall make a thorough review of the apprentice's ability and development. Advanced standing for previous training or experience does not reduce the probationary period.

Applicants awarded advanced standing at the time of indenture shall have their demonstrated skill, knowledge and overall performance evaluated during the probationary period. Adjustments, to the assigned period of apprenticeship and/or level of related classroom training may be made during the probationary period, following appropriate reviews and evaluation by the JATC. Such reviews and determinations shall be properly documented and applied equally to all apprentices.

Prior to the end of the probationary period, action must be taken on each probationary apprentice to end the probation, extend the probation, or cancel the apprenticeship agreement. All interested parties shall be notified of such action.

6000 HOUR PROGRAM: The 1200 hours of employment after the signing of the agreement shall be a probationary period.

6. RATIO OF APPRENTICES TO JOURNEYMEN:

A. <u>Construction Electrician</u>: An employer shall employ only indentured apprentices secured from the Committee. The Committee shall allow each qualified employer a ratio of two (2) apprentices to three (3) journeymen, but only when indentured apprentices are available. Such ratio shall not be exceeded on any job site. (This does not prevent one (1) apprentice from working on a job when there are less than the maximum ratio of journeymen on the job.)

The overall ratio is 2 apprentices for every 3 journeymen or fraction thereof. This ratio can be used on each job, contract or shop:

<u>JOURNEYMEN</u>	APPRENTICES
1	1
2	2
3	2
4	3
4	4
5	4
6	4
7	5
7	6
8	6
10	7
10	8

11	8
12	8
13	9
13	10
14	10
15	10
16	11
16	12
17	12
18	12
19	13
19	14
20	14
21	14
22	15
22	16
23	16
24	16
25	17
25	18
26	18
27	18
28	19
28	20
29	20
30	20

B. <u>Neon Electrical Sign Electrician</u>: An employer shall employ only indentured apprentices secured from the Committee the Committee shall allow each qualified employer a ratio of one (1) apprentice to three (3) journeymen, but only when indentured apprentices are available. Such ratio s hall not be exceeded on any job site. (This does not prevent one (1) apprentice from working on a job when there are less than the maximum ratio of journeymen on the job.)

The one (1) apprentice to (3) journeymen ratio shall be understood to mean the following:

One (1) apprentice to one (1) journeyman

One (1) apprentice to two (2) journeymen

One (1) apprentice to three (3) journeymen

Two (2) apprentices to four (4) journeymen Etc.

C. <u>Motor Shop Electrician</u>: The ratio of apprentices to journeymen shall be one for one, two for four, and one (1) apprentice for each additional three (3) journeymen thereafter on each job site.

- D. <u>Appliance and Refrigeration Serviceman</u>: One (1) apprentice may be employed for the first full-time journeyman serviceman employed and one (1) additional apprentice for each additional three (3) journeymen servicemen employed by the employer on each job site.
- E. Radio-Television: Same as Appliance and Refrigeration Serviceman.
- F. <u>Marine Electrician</u>: Same as Neon Electrical Sign Electrician.
- G. Quality Control Apprentices: Same as Construction Electrician.

7. <u>WAGE PROGRESSION</u>:

Apprentices shall be paid on the following percentage basis in accordance with W.A.C. 296-04-270(2)(c):

Apprentices shall be paid not less than the following wage rate over their periods of apprenticeship:

A. Construction Electrician

(Indentured after 1/1/95)

1st 1000 hours 40%

2nd 1000 hours 45%

3rd 1500 hours 55%

4th 1500 hours 65%

5th 1500 hours 75%

6th 1500 hours 85%

8000 hours + State License 90%

B. Motor Shop Electrician:

1st 1000 hours 60%

2nd 1000 hours 65%

3rd 1000 hours 70%

4th 1000 hours 75%

5th 1000 hours 80%

6th 1000 hours 85%

7th 1000 hours 90%

8th 1000 hours 95%

C. Neon and Electrical Sign Electrician

1st 1000 hours 45%

2nd 1000 hours 50%

3rd 1000 hours 55%

4th 1000 hours 60%

5th 1000 hours 65%

6th 1000 hours 70% 7th 1000 hours 80% 8th 1000 hours 90%

D. Appliance and Refrigeration

1st 1000 hours 50%

2nd 1000 hours 55%

3rd 1000 hours 60%

4th 1000 hours 65%

5th 1000 hours 70%

6th 1000 hours 75%

7th 1000 hours 80%

8th 1000 hours 90%

E. Radio Television:

1st 1000 hours 50%

2nd 1000 hours 55%

3rd 1000 hours 60%

4th 1000 hours 65%

5th 1000 hours 70%

6th 100 hours 75%

7th 1000 hours 80%

8th 1000 hours 90%

F. Marine Electrician

1st 2000 hours 60%

2nd 2000 hours 70%

3rd 2000 hours 80%

G. Quality Control

1st 1000 hours 40% 2nd 1000 hours 45% 3rd 1000 hours 50% 4th 1000 hours 55% 5th 1000 hours 60% 6th 1000 hours 70% 7th 1000 hours 80% 8th 1000 hours 90%

Aberdeen Motor

1st 1000 hours 65% 2nd 1000 hours 71% 3rd 1000 hours 76% 4th 1000 hours 79% 5th 1000 hours 83% 6th 1000 hours 86% 7th 1000 hours 90% 8th 1000 hours 90%

8. WORK PROCESSES:

In order that the apprentice may acquire the necessary skills of the trade in its various categories, he/she shall (as near as possible) be provided with employment in these categories with specified amounts of experience required.

All such work shall be performed under the supervision of a journeyman. Supervision should not be of such nature as to prevent the development of responsibility and initiative.

A.	Const	ruction Electrician: D.O.T. #824.261-010	<u>Hours</u>
	1.	RESIDENTIAL - Wiring of residences, duplexes, and small apartment buildings and necessary shop work and preparation	1000
	2.	COMMERICAL - Wiring of public commercial, school, and hospital buildings; the installation and repair of all equipment therein; and necessary shop work and preparation	3500
	3.	INDUSTRIAL - Wiring of all industrial buildings and equipment; the maintenance, repair and alteration of the same; and the necessary shop work and preparation	2500
	4.	SPECIALIZED SYSTEMS - Wiring of systems which include: sound data transmission, telephone, fire alarm, fiber optics, energy management, closed circuit television, programmable controllers, and nurse call systems	1000
		TOTAL HOURS:	8000

B.	Motor	r Shop Electrician: D.O.T. #721.484-010	<u>Hours</u>
	1.	General knowledge of materials and National Electrical Code. Clean and repair motors. Take care of cleaning shop	700
	2.	Strip stators and armatures, clean and tin coils	1400
	3.	Check data on coil and list same. Check shorts or opens in windings	700
	4.	Complete knowledge of transformers	700
	5.	Complete knowledge of DC current	500
	6.	Complete knowledge of AC Machines	500
	7.	Repairing AC and DC controllers and resistors	1400
	8.	Complete knowledge of switchboards, instruments and meters	700
	9.	Small motor repair, fractional horsepower	700
	10.	Outside service and repairs, service and repairs to all types of electrical machinery, wiring and equipment and electronic devices related to work experience under these Standards	700
		TOTAL HOURS:	8000

C.	Neon &	& Elect	rical Sign Electrician:	D.O.T. #824-281-018	<u>Hours</u>
	1.	Servic a.		tals, as related to the trade	1000
		b.	General commercial wirin	g installation	200
		c.	Transformers - high frequ	ency currents	1000
		d.	City codes and regulations	5	1000
		e.	Safety practice - First Aid		200
		f.	Wiring on neon signs		2000
		g.	Rigging and scaffolding		1000
	2.	and str (block	rains explained and likely c and script). Complete kno	ding and glass welding. Chill auses of them. Layout work wledge of operation of vacuung of units	m
			ТО	TAL HOURS:	8000

D.	<u>Applia</u>	nnce and Refrigeration Serviceman: D.O.T. #827.261-010 Hours
	1.	Complete knowledge of all parts, devices and equipment of all small appliances
	2.	Complete knowledge of AC and DC fractional horsepower motors and controls
	3.	Complete knowledge of automotive and manually controlled washing machines and ironers
	4.	Complete knowledge of electrical ranges
	5.	Complete knowledge of home refrigeration units - both sealed and open types
	6.	Diagram
	7.	City and National Electrical Code and regulations
		TOTAL HOURS: 8000

E.	Radio -	- Television:	D.O.T. #720.281-018 <u>H</u>	<u>lours</u>
	1.	Use of all fundamental test equip	pment used in shops	500
	2.	Diagrams		1000
	3.	1 0 1	s, devices and equipment necessary	2000
	4.	Alignment procedure		1000
	5.	Methods of analyzing circuits ar	nd faults	1000
	6.	Complete knowledge of all types	s of antenna equipment	1000
	7.	Auto radio installations		160
	8.	Elementary transmitter operation	n technique	160
	9.	Sound equipment and recorders.		680
	10.	Photo electric cells and assorted	equipment	340
	11.	City and National Electrical Coc	des and regulations	160
		TO	OTAL HOURS:	8000

F. Quality Control Apprentices: D.O.T. #012.261-014

The apprentice shall be taught the use, care and effective and safe handling of all tools and apparatus commonly used in connection with the trade. He or she shall be given instruction and experience in all commonly branches of the trade necessary to develop a skilled inspector versed in the theory and practice of Quality Control. He or she is to be under the supervision of qualified personnel at all times.

5110 15	Hours
1.	Quality Control Terms and Definitions 2000
••	a. Nationally used specifications and codes
	b. Control and processes:
	1. Measurement and calculations
	2. Methods
	c. Qualifications
	d. Documentation and document control
	e. Receiving inspection
	f. Safety and first aid
2.	Material Identification and Control
	a. Blueprint reading
	b. Contracts study and implementation
	c. Handling, packing, storage and shipping
	d. Control of nonconforming items
	e. Corrective actions
	f. Engineering holds
3.	Manufacturing Theory and Practices
	a. Welding procedures
	b. Machining process
	c. Layout and set-up
	d. Foundry procedures
	e. Assembly methods
	f. Non-destructive testing
	g. Physical testing
	h. Metallurgy
	i. Inspection methods and systems
4.	Quality Assurance Audits
	a. Scope
	b. Planning
	c. Evaluation of quality control methods
	d. Activity audits
	e. Production audits
	f. Process audits
	g. Record audits
	h. Reporting and corrective action
5.	Operation, Maintenance and Modification

- a. Organization
- b. Operation control
- c. Procedures
- d. As-built verifications
- e. Operation reviews
- f. Indication of status components and system

TOTAL HOURS:

8000

G.	Marine	e Electrician:	D.O.T. #825.381-030	<u>Hours</u>
	1.	Blue prints		100
	2.	Wire ways		1000
	3.	Lighting		1000
	4.	Power		1500
	5.	I.C. System		500
	6.	Navigation		500
	7.	Electronic		200
	8.	Maintenance		1000
	9.	Control panels		200
			TOTAL HOURS:	6000

9. RELATED/SUPPLEMENTAL INSTRUCTION:

- A. Each apprentice shall enroll in and attend classes in subjects related to this trade, as approved by the State Board for Community and Technical Colleges for a minimum of 144 hours per year.
- B. The methods of related/supplemental training shall consist of one or more of the following:
 - (X) Supervised field trips
 - () Approved training seminars
 - () A combination of home study and approved correspondence courses
 - () Technical College
 - () Community College
 - (X) Training trust
 - (X) Other (Specify) <u>45-hour welding course</u>.
- C. Hours <u>200</u>
- D. Satisfactory progress must be maintained in related training classes. (See Section 10, Administrative/Disciplinary Procedures.)
- E. The Committee shall secure such course material and equipment as may be necessary.
- F. The instructors shall give periodic examination and report the results to the Committee so that the apprentices' progress may be checked and corrective measures applied where necessary.
- G. Failure of an apprentice to maintain a 75% grade average throughout each year or receiving a failing grade on any three (3) tests during any one year (75% is a passing score) in related training shall be considered as just cause for cancellation of the Apprenticeship Agreement.
- H. All construction apprentices will take and pass a forty-five (45) hour welding course.

The above is in addition to the 200 hours minimum requirement for each year of the apprenticeship for all construction apprentices.

10. <u>ADMINISTRATIVE/DISCIPLINARY PROCEDURES</u>:

- A. The groups cooperating in these Standards shall refer all problems pertaining to apprenticeship to the Committee for action and disposal before action is reported to the sponsoring organizations.
 - "Four (4) members of the Committee or subcommittees, two (2) from each of the sponsoring parties shall be a quorum for the transaction of business, but each party shall have the right to cast the full vote of its membership and it shall be conducted as though all were present and voting."
- B. In the event the employer and employee representatives cannot mutually agree on the administration of the program, any matter in dispute shall be referred to the sponsoring parties for settlement.
- C. All funds for the operation of the apprenticeship and training program shall be held in a trust fund. The Committee shall initiate and certify all expenditures to the trustees of the trust fund
- D. The Committee shall make an annual report to the respective employee organizations covering its work for the preceding year.
- E. The Committee shall prepare a written policy statement, which sets forth the current rules and regulations for the conduct of the local program. Such policy statement shall be subject to revision by the Committee.
- F. Candidates with previous experience in the electrical trade can ask for and have such experience evaluated by the Committee at the time they make application or before they sign an agreement. Where such experience warrants it, the Committee will place the apprentice in the appropriate period, and such advanced credit shall be subject to review prior to his/her next advancement.
 - 2. After an apprentice has signed the Apprenticeship Agreement and has been employed, he/she cannot request an evaluation of past experience.

G. Advancement of Apprentices:

- 1. The JATC shall examine the progress of the apprentice on the job and in related instruction on a regular basis. The JATC will also receive a monthly OJT training report showing the experience and training in the various work processes.
- 2. The JATC shall evaluate the apprentice's overall performance and accomplishments at the end of each period. Action must be taken on each apprentice to approve advancement, extend present rating for a specified probationary period, or cancel the apprenticeship agreement, with due

notice to the apprentice and reasonable opportunity for corrective action. Proper documentation shall be maintained of all action taken by the JATC.

H. Adjustment of Differences: Cancellation of Indenture:

- 1. The Committee may cancel the Apprenticeship Indenture and remove the apprentice from the apprenticeship program for cause. Such removal by the Committee shall cancel his/her classification of apprentice and his/her opportunity to complete his/her training.
- 2. Any apprentice shall have the right to appear before the Committee.
- 3. The Apprenticeship Indenture may also be canceled by mutual consent of all parties of the indenture.
- 4. The Washington State Apprenticeship and Training Council shall be notified of all such cancellations.

I. <u>Certificate of Completion</u>:

- 1. At completion of the term of apprenticeship, the Committee shall interview and examine the apprentice. If satisfactory in all phases of his/her training, the Committee will so certify to the sponsoring parties. If not satisfactory, the term of apprenticeship may be extended.
- 2. The Committee will present the apprentices with Certificates of Completion. These certificates shall be approved and signed by the officers of the Committee.
- J. <u>Safety and Health Training</u>: The employer shall instruct the apprentice in safe and healthful work practices and shall ensure that the apprentice is trained in facilities and other environments that are in compliance with either the Occupational Safety and Health Act standards promulgated by the Secretary of Labor under Public Law 91-596, dated December 29, 1970 as amended by Public Law 101-552 dated November 5, 1990, or State or local standards that have been found to be at least as effective as the Federal standards.
- K. <u>Statement of Policy as of June 19, 1978</u>: The training director will act for and under the direction of the Committee in carrying out the terms and conditions as established in the Standards, and published policies of the Apprenticeship Committee.

1. Apprentice Job Assignment:

- a. Employers shall advise the training director in writing of the number of apprentices needed. The referral of apprentices to fill such vacancies shall be made by the referral office upon receipt of an assignment by the training director.
- b. When an apprentice becomes unemployed for any reason, he/she shall report to the training director.
- c. The Committee shall have full authority, as provided in the Standards of apprenticeship training and as agreed to by Labor and Management, to transfer or rotate apprentice from one employer to

the other to provide diversity of training or work opportunity. The arrangements for these transfers shall be made by the training director in cooperation with all parties concerned, including the Business Manager of Local #76, I.B.E.W.

- 1. In conformity with the Standards, it is the policy of the Southwest Washington Apprenticeship Committee to rotate apprentices from shop to shop to gain different phases of electrical work and the experience of working for various types of electrical contractors. To that end, every effort will be made to have the apprentice work for at least three different shops which will be approved by the Committee as suitable places for training.
- 2. To the extent possible, the apprentice will be rotated once during the first year of training; and once during the second year. There after he/she will be rotated when necessary to gain the proper diversity of training in the required phases of electrical work; or when deemed suitable by the Committee.
- 3. When directed to rotate an apprentice by the Committee, the training director will make every effort to give two weeks written advance notice of transfer to the employer consistent with information the training director is able to obtain as to work opportunities and possible reductions of work force.
- 4. Consistent with the employment opportunities, it is our desire to supply as close to the number of approximate hours in the major classifications as outlined by the current Standards.
- 5. When an apprentice becomes unemployed for any reason, he/she shall report to the training director no later than the next working day after termination.
- d. No apprentice will have the right to refuse a job referral within the geographical area covered by these Standards. Each apprentice shall maintain regular on-the-job attendance. Absences and/or tardiness will not be tolerated. Failure to comply with the above could be cause for the apprentice to be dropped from the program. No apprentice shall quit a job nor shall an employer fire an apprentice without either party first notifying the training director and giving the training director the opportunity to work out the problem. Failure to do so could be cause for the apprentice to be dropped from the program or the employer to be decertified as a place of training.

- e. A preference list shall be established for the Olympia, Centralia, Shelton, Aberdeen, and Tacoma areas. Apprentices will be placed in their requested areas so far as is practical.
- f. The Committee will endeavor to have all newly selected apprentices indentured and employed on or before September 1st in any one year.

2. <u>Periodic Advancement of Apprentices:</u>

a. Prior to each advancement the training director will check the apprentice's progress on the job by contacting the proper supervisory personnel.

b. Requirement for Advancement:

- 1. Full attendance at school. There will be no excused late arrivals, absences or early dismissals from class.

 Advancement will be held until all required hours are completed with satisfactory grades.
- 2. Satisfactory grades in school.
- 3. Satisfactory reports from both employer and journeymen.
- 4. Work experience reports turned in properly and on time.
- c. Each of the requirements will be checked prior to each advancement by the director.
- d. Deficiency of any one or more of these requirements shall be cause for deferment of advancement.
- e. Future advancements will be calculated from the new date unless acted upon by the Committee.
- f. No advancement will be processed until the apprentice's work experience reports are up to date and in the director's office.
- g. At the regular meeting of the Committee in the month that the apprentice has completed his/her period of advancement, the training director shall provide the Committee with three things:
 - 1. Number of hours worked during period.
 - 2. Average school grades for the period of work experience.
 - 3. Work reports from employers and journeymen.
 - 4. Satisfactory completion of all three requirements is reason for advancement to the next period of progression.

 Employers will be notified to increase the apprentice's wages for the first working day of the following month.

- h. The average number of hours of employment of all apprentices will be reviewed every six (6) months.
 - 1. A low average employment is sufficient reason to rotate apprentices for more equal employment opportunity.
 - 2. A low average employment could allow the Committee to set a maximum number of hours of credit which could be granted an apprentice if all other requirements were satisfactory.

3. <u>Completion of Apprentices</u>:

- a. All apprentices shall work at the apprenticeship classification until they have satisfactorily completed a minimum of 200 hours per year of related instruction and having maintained a 75% grade average for each year of indenture and a minimum of 8000 hours (6000 hours Marine Electrician) of on the-job training.
- b. All apprentices shall have and maintain a current Industrial First Aid Card throughout their apprenticeship.
- c. All apprentices will take a forty-five (45) hour welding course.
- d. When a, b and c are met, the employers and the Local #76, I.B.E.W. will be notified that the apprentice is to be classified as a journeyman and receive the journeyman's rate of pay.

4. <u>Apprenticeship School</u>:

- a. Disciplinary problems shall first be handled by the training director. Whenever the director fails to produce the desired results, the training director shall refer the matter to the Committee for action
- b. If an instructor removes an apprentice from class for a just cause, the apprentice will not be readmitted until he/she has been before the Committee. The apprentice will have to make up the time missed during this suspended period.
- c. All classes start and terminate at times set forth by the Committee.
- d. Any apprentice who comes to class or returns from break, having used alcohol or drugs, will be removed from class with just cause.
- e. Books and lesson material for the apprentice:
 - 1. Apprentices will purchase all required school textbooks and materials from the JATC, which will be sold at cost.
 - 2. The Committee will supply all text books and material required for each instructor at no charge.
- f. Apprentices shall not work overtime to the extent that they would be absent or tardy from school unless approved by the training director. Working overtime will not be an excuse for being absent.

5. Work Experience Report:

- a. Each apprentice is required to fill out a work experience report card monthly. This report shall be in the Committee office no later than the 10th of the following month.
- b. Each apprentice who is late in returning his/her work experience report will have the following penalties imposed: First offense: Up to 30 days actual work delay in his/her next advancement. Second offense: Up to 60 days actual work delay in his/her next advancement. Third offense: Penalty: Cause for cancellation of indenture

6. <u>Leave of Absence</u>:

- a. During the probationary period, leave of absence or vacations are not vested with each apprentice.
- b. Leaves of absence or vacations may be requested at any time after the probationary period. The Committee shall act on each request in a fair and equitable manner.
- c. Violations of the above shall be just cause for cancellation of the Apprenticeship Agreement.
- 7. Performing electrical work for other than your referred employer unless it has been specifically approved by the sponsoring parties shall be cause for removal from the job with no future referral unless acted upon by the Committee at their next regular meeting.
- 8. a. Upon notification, apprentices shall attend special called meetings.
 - b. Change of address and/or phone number must be reported at once to the JATC office.
 - c. Apprentices shall have the required tools and work clothes to perform the work of the trade.
 - d. Apprentices shall be neat and presentable both on the job and in school.
- 9. Suggestions for improvement of the program or grievance of individuals are always welcomed by the Committee.

10. <u>Disciplinary Action</u>:

Disciplinary action, which may include cancellation of the Apprenticeship Agreement will be taken by the Committee for infractions of the following rules:

- a. Failure to perform the work on the job.
- b. Failure to attend school regularly as required.

- c. Failure to maintain satisfactory grades as required.
- d. Failure to appear in response to notification.
- e. Failure to notify the Apprenticeship Committee of change of address or phone.
- f. Quitting an employer without cause (after investigation by the Committee).
- g. Failure to attend special called meetings.
- h. Apprentice who is terminated for just cause (i.e., attendance or productivity, etc.).
- 11. Authority for the above policy statement is given to the Committee in the Standards of apprenticeship and training, as approved by the Washington State Apprenticeship and Training Council.
- 12. <u>Supervision of Apprentices:</u>

An apprentice is to be under the supervision of a Journeyman Wireman at all times. Journeyman are not required to constantly watch the apprentice, but are to lay out the work required and permit the apprentice to perform the work on his/her own. Journeyman are permitted to leave the immediate work area without being accompanied by the apprentice.

- L. <u>Local JATC Rules and Policies:</u> The apprentice will be provided with a copy of the written Rules and Policies and will sign an acknowledgment receipt of same. This procedure will be followed whenever revisions or modifications are made to the Rules and Policies
- M. Complaint Procedure: Refer to WAC 296-04-295

11. COMPOSITION OF COMMITTEE AND ALTERNATES:

- A. The Southwest Washington Electrical Apprenticeship Committee shall be composed of ten (10) members, five (5) representing the employers and five (5) representing Local Union #76, I.B.E.W. as follows:
 - 1. <u>Employers</u>: Three (3) representing the Southwest Washington chapter Of the National Electrical Contractors Association, one (1) representing the National Electrical Contractors Association from the Aberdeen-Hoquiam area, and one (1) representing the National Electrical Contractors Association representing the Residential employers.
 - 2. <u>Employees</u>: Three (3) wiremen representing Local Union #76, I.B.E.W., one (1) wireman from the Aberdeen-Hoquiam Local Union #76, I.B.E.W, and one (1) representing the Residential Wiremen Local Union #76 I.B.E.W.

- B. Members of the Committee shall be selected by the groups they represent. The term of office shall be for four (4) years. The term of one employer representative and one union representative to expire each year with vacancies to be filled in the same manner as the original appointments were made. A Committee member may succeed himself/herself. The committee shall select from its membership, but not both from the same group, a Chairman and a Secretary who shall retain voting privileges.
- C. Any member of the Committee may be removed for cause and replaced by proper action on the part of the organization, which he/she represents.

Any officer or Committee member may be removed by the sponsoring organization upon recommendation by majority vote of the Committee for dereliction of duty or misconduct in office. Such a recommendation shall be forwarded in writing to the proper sponsoring organization for action.

- D. Consultants may be invited to attend meetings of the Committee but shall have no official voice or vote.
- E. Due to the confidential nature of apprenticeship agreements, records and issues, all JATC meetings are to be considered "closed meetings' except where State law provides otherwise.
- F. The Trust Fund shall be controlled and administered by a Board of Trustees (hereinafter called the "Trustees"), which shall consist of twelve (12) members: six (6) Employer members and six (6) employee representatives. The Business Manager of the Local Union (who is an alternate to the JATC) and the Chapter Manager of NECA (who is an alternate to the JATC) shall hold one (1) position each as Trustees. The other ten (10) members shall come from the JATC, five (5) from the Employers Representatives and five (5) from the Union Representatives.

The Employer Representatives Shall Be:

Mike Doyle, Chairman Darrel Shively 4832 Pacific Avenue Madsen Electric

Tacoma, WA 984098 1929 Tacoma Avenue South

Tacoma, WA 98402

Gary McKay Ken Kaivo 2348 Holgate Street South PO Box 107

Tacoma, WA 98402 Aberdeen, WA 98520

Mike Glasman Tom Knox, Alternate

Groff Electric 8815 South Tacoma Way, #104

3308 South Union Tacoma, WA 98499

Tacoma, WA 98409

The Employee Representatives Shall Be:

Gary Younghans, Secretary Greg Elder

115 Gemini Place 169 Deer Meadow Dr Chehalis, WA 98532 Chehalis, WA 98532

Nick Dunjic Phil LaFond 402 Greenbriar Lane 1029 Bigelow

Aberdeen, WA 98520 Olympia, WA 98506

Patricia Rossignol Michael Grunwald, Alternate

615 2nd Street NW 3049 South 36th #101 Puyallup, WA 98371 Tacoma, WA 98409

12. <u>SUBCOMMITTEE</u>: (None)

13. TRAINING DIRECTOR/COORDINATOR:

Anthony Lewis, Training Director 3001 South 36th Street Tacoma, WA 98409